

MeCP2 Antibody
Mouse Monoclonal Antibody
Catalog # AN1279**Specification**

MeCP2 Antibody - Product Information

Application	WB, IHC, IF
Primary Accession	P51608
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	52441

MeCP2 Antibody - Additional Information

Gene ID	4204
Gene Name	MECP2

Target/Specificity

Full length human recombinant MeCP2

Dilution

WB~~ 1:2000
IHC~~1:100~500
IF~~1:50~200

Format

Protein G purified culture supernatant

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MeCP2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping

Blue Ice

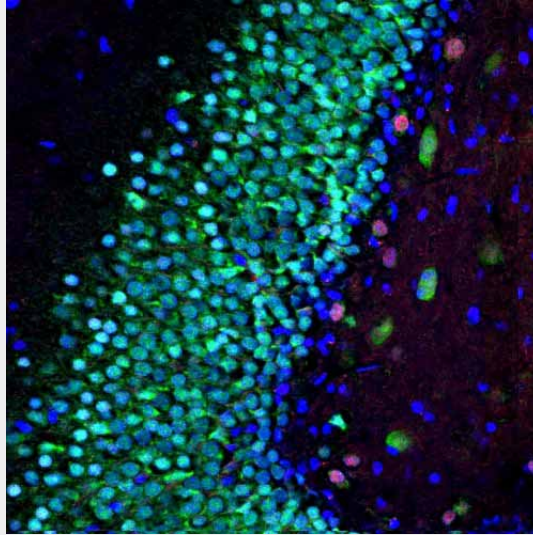
MeCP2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)

- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MeCP2 Antibody - Images



Western blot of mouse whole brain lysate showing specific immunolabeling of the MeCP2 protein at ~75 kDa.

MeCP2 Antibody - Background

MeCP2 (Methyl-CpG Binding Protein 2) is a chromosomal protein that binds to methylated DNA. It can bind specifically to a single methyl-CpG pair and is not influenced by sequences flanking the methyl-CpGs. MeCP2 has been shown to mediate transcriptional repression through interaction with histone deacetylase and the corepressor SIN3A (Nan et al., 1998). Defects in MeCP2 are the cause of Rett syndrome (RTT) (Amir et al., 1999). RTT is an X-linked dominant disease; it is a progressive neurologic developmental disorder and one of the most common causes of mental retardation in females.